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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/686,600	10/17/2003	Atsunori Kajiki	300.1134	9369
21171	7590	07/27/2004	EXAMINER	
STAAS & HALSEY LLP SUITE 700 1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005				ARBES, CARL J
		ART UNIT		PAPER NUMBER
		3729		

DATE MAILED: 07/27/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/686,600	KAJIKI, ATSUNORI
	Examiner	Art Unit
	C. J. Arbes	3729

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 17 October 2003.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-4 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-4 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 17 October 2003 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ozawa (Pat NO. 4,814,040; hereinafter Ozawa) in view of Casson et al (Pat No. 5,502,889; hereinafter Casson et al) or vice versa. Ozawa teaches a method of connecting an electronic part onto a base plate having i.e.wiring board by means of an adhesive layer which contains metaliic particles (e.g. Ni). Thermal compression is applied to join the electronic element to the wiring board. Casson et al teach a method for electrically connecting at least two conductive layers with an adhesive having fusible metallic particles e.g. (Sn/Pb/Ag) (Cf. Col. 11) scattered therein. The uncured assembly i.e. the two (2) conductive layers and the fusible metallic particle laden adhesive are aligned and subjected to elevated an temperature is order to melt the metallic particles and form the interconnected assembly. The thermosetting property of the adhesive enables the conductive particles to be firmly secured in place between the conductive layers (Cf Col 13, lines 13 ff) It would have been obvious to combine the 2 teaching and to mount an electronic part to a wiring board (as taught by Ozawa) by replacing the adhesive layer (having metallic particles therein) with the adhesive containing fusible metallic particles taught by Casson et al. or alternatively instead of bonding one circuit board to a second circuit boar to replace a circuit board with an electronic component. As applied to Claim 2 it is held to have been obvious to did the

connecting pads into a solution of a tackifier chemical compound rather than what Casson et al teach which is screen printing, selective application (Cf. Col 13) or the like. In a word the limitation in Claim 2 is given little or no patentable weight and is held to have been within the ordinary skill of an artisan.

Furthermore the Patent Office Saith not.

Any inquiry concerning this communication should be directed to C. J. Arbes at telephone number (703)308-1857.

Ca
CARL J. ARBES
PRIMARY EXAMINER